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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new non provisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **428-B01.US**First Inventor **Gerard TERREAU**Title **Method and apparatus for detecting and quantifying impairments in QAM signals**

Express Mail Label No. _____

JC971 U.S. PRO 09/841837 04/26/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification Total Pages **[40]**
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) Total Sheets **[8]**
5. Oath or Declaration Total Pages **[2]**
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO :Assistant Commissioner for Patents
Box Patent Application
Washington DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
11. English Translation Document (if applicable)
12. Information Disclosure Copies of IDS Citations
Statement (IDS)/PTO-1449
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemised)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information: Examiner: _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	<input type="checkbox"/> (Insert Customer No. or Attach bar code label here)		or <input checked="" type="checkbox"/> Correspondence address below		
Name	Gerard TERREAU				
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	4480, Cote-de-Liesse, Suite 224				
City	Montreal	State	QBC	Zip Code	H4N 2R1
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Name (Print/Type)	Gerard TERREAU			Registration No. (Attorney/Agent)	
Signature	<i>Gerard Terreault</i>			Date	April 5, 2001

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)355.00

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	
Deposit Account Name	

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
Code (\$)	Code (\$)		
101 710	201 355	Utility filing fee	<u>355.00</u>
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	
SUBTOTAL (1) (\$)			355.00

2. CLAIMS

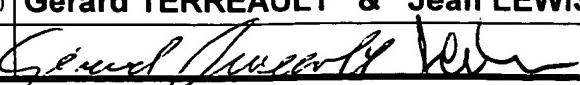
		Fee from			
		Extra	below		Fee Paid
Total Claims		-20**=	X	=	
Independent Claims		- 3**=	X	=	
Multiple Dependent Claims			X	=	

Large Entity Fee	Small Entity Fee	Fee Description
Code (\$)	Code (\$)	
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim
109 80	209 40	Reissue independent claims over original patent
110 18	210 9	Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

**or number previously paid, if greater; For Reissues, see above

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	Gerard TERREAU
Examiner Name	
Group / Art Unit	
Attorney Docket No.	428-B01.US

FEE CALCULATION (continued)					
2. ADDITIONAL FEES					
Large Entity Fee	Small Entity Fee	Fee Description			
Code (\$)	Code (\$)				Fee Paid
105 130	205 65	Surcharge-late filing fee or oath			
127 50	227 25	Surcharge-late provisional filing fee or cover sheet			
139 130	139 130	Non-English specification			
147 2,520	147 2,520	For filing a request for reexamination			
112 920*	112 920*	Requesting publication of SIR prior to Examiner action			
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action			
115 110	215 55	Extension for reply within first month			
116 390	216 195	Extension for reply within second month			
117 890	217 445	Extension for reply within third month			
118 1,390	218 695	Extension for reply within fourth month			
128 1,890	228 945	Extension for reply within fifth month			
119 310	219 155	Notice of Appeal			
120 310	220 155	Filing a brief in support of an appeal			
121 270	221 135	Request for oral hearing			
138 1,510	138 1,510	Petition to institute a public use proceeding			
140 110	240 55	Petition to revive – unavoidable			
141 1,240	241 620	Petition to revive – unintentional			
142 1,240	242 620	Utility issue fee (or reissue)			
143 440	243 220	Design issue fee			
144 600	244 300	Plant issue fee			
122 130	122 130	Petitions to the Commissioner			
123 130	123 130	Petitions related to provisional applications			
126 180	126 180	Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties)			
581 40	581 40	Filing a submission after final rejection (37 CFR 1.129(a))			
146 710	246 355	For each additional invention to be examined (37 CFR 1.129(b))			
149 760	249 355	Request for Continued Examination (RCE)			
179 710	279 355	Request for expedited examination of a design application			
169 900	169 900	Other fee (specify)			
Other fee (specify)					
*Reduced by Basic Filing Fee Paid			SUBTOTAL (3) (\$)		

SUBMITTED BY			Complete (if applicable)	
Name (Print Type)	Gerard TERREAU & Jean LEWIS		Reg. Number	
Signature(s)			Date <u>April 15</u> /2001	Deposit Account User ID

U.S. Department of Commerce
Patent and Trademark Office
Assistant Commissioner for Patents and Trademarks
Washington D.C. 20231
U.S.A.

Date: APRIL 19, 2001

CHECK # 1668